

Chemical Reactions Occuring in Solid
Salts, by C. Tubandt, 18 pp.
GERMAN, per, Z. Phys. Chem, A140, 1929
pp. 291-308.
*NBS TT 70-57847

Sci/phys
Jun 70

Electrochemical Investigations on Ethereal
Solutions II⁽¹⁾ The System: Arsenic Trichloride-
Diethyl-Ether, by M. Ussanovitch, 6 pp.

GERMAN, per, Zeit fuer Physik Chemie, Vol
CXL A, No 5/6, 1929, pp 429-434.

A.E.R.E. Harwell Tr 640

Sci - Electricity, XXX Chemistry,

Jul 1956

36,336

Influence of Electrical Discharge on Gas Containing
Hydrocarbons at Diminished Pressure, by Franz Fischer,
Kurt Peters, 12 pp.

GERMAN, per, Z fuer Physik Chemie, Vol CXLIA, No 3,
1929, pp 180-184.

SLA 59-10026

Sci - Physics
May 59
OTS V.I, No 8

88,093

Optical Investigations on Electrochemically
Activated and Passivated Metallic Reflectors,
by L. Tronstad, 48 pp.
GERMAN, per, Zeitschrift für Physikalische Chemie.
Series A, Vol 142, No 4, 1929.
ACSI J-3507
ID 2204048067

Sci.-Chem
Feb 68

349,183

On the Mechanism of the Catalytic Decomposition
of Hydrogen Peroxide by Colloidal Silver, by
L. Wiegand

NEWMAN, per, Z Physik Chem, Vol CXLIIIA,
1929, pp 81-93.

Natl Res Council Canada TT 360

Scientific - Chemistry
Aug CTS/DME

16,857

The Dynamic Allotropic States of Selenium,
Part 1, by G. Briegleb.
GERMAN, per, Z. Physik Chem, Vol A144, No
5-6, 1929, pp 321-339.
ATS 1211-GJ

Sci - Earth Sci
Aug. 67

338,283

The Dynamic-Allotropic States of Selenium,
Pt. 4, by G. Brägleb.
GERMAN, per, Zeitschrift fuer Physikalische
Chemie, Vol 144A, 1929, pp 340-38.
ATS-607914

ATS 1212-0J

331, 501

Sci - Chem
Jul 67

V
The Viscosity and Elasticity of Sols, by B.
Rabinowitsch, 16 pp.

GEISMAN, per, Zts fuer Physikalische Chemie, Part
A, Vol CXLV, No 1, 1929, pp 1-25.

S.L.A. Tr No 517/1955

ATC/994-60

45,870

Sci - Chemistry
Mar 1957 CFS/dex

Solubilities and Conductivities of Inorganic and Organic Compounds in (HF), by K. Fredenhagen, G. Cadenbach, 33 pp.

GERMAN, per, Zeit Phys Chem, Vol CXLVI A, 1930, pp 245-280.

RAE Tr-111
S.L.A. Tr 866/1956

Sci - Chemistry

39,050

The Determination of Equilibrium Constants of
Chemical Reactions by Potentiometric Titration,
by P. G. Hahn, R. Klockmann, 19 p.

GERMAN, per, Zeit. für Physik Chemie, 1933,
Vol CXXVIA, No 5, pp 373-404.

SIA 59-20387

Sci
Feb 60
Vol 2, No 12

108 246

Adsorption Experiments With Heavy Noble Gases,
by Kurt Peters, Kurt Weil.

GERMAN, per, Zeit Physik Chem, Vol. CXLVIII(A),
1930, pp 1-26.

AEC Tr 2470

Scientific - Physics

36,290

Jun 56 CTS/dex

Melting Points and Vapor Pressures of Krypton
and Xenon, by Kurt Peters, Kurt Weil, 12 pp.

GERMAN, per, Zeit Physik Chem, Vol CKLVIII, A,
1930, pp 23-35.

ABC Tr 2424

Sci - Chemistry, Physics. 33, 262

Apr 56

Viscosity of Cellulose Solutions as a Function of
the Temperature, by E. Berl, H. Unstetler, 3 p.

GERMAN, per, Zeit fur Physikal Chemie Leipzig, 1950,
Vol CHEMIST, [A], No 6, pp 471-474.

SLA 59-20366

Sci
Feb 60
Vol 2, No 12

108,240

Helium Researches. VIII. A Method of
Quantitative Measurement of Small Amounts
of Helium by P. Paneth and Wm. D. Urray,
14 pp.

GERMAN, par, Zeit Physik Chem, Vol (A)152,
1931, pp 110.

AAEC-Rt-14

Sci - Chem
Oct 68

241
122

The Formation of Ethylene and Acetylene from Methane
in Electrical Discharges, by Kurt Peters, O. H. Wagner,
23 pp.

GERMAN, per, Z. für Physikalische Chemie, Vol CLIIIA,
No 3/4, 1931, pp 161-185.

SLA 59-10062

Sci - Chem
OTS I, 9
Jun 59

89,527

Salt and Compounds and Intermetallic Phases of Sodium
in Liquid Ammonia. First Report on Metals and Alloys,
by E. Zintl, J. Gombau, et al, 43 pp.
GERMAN, per, Z fuer Physikalische Chemie,
Vol CLIVa, 1931, pp 1-46. 922 4662
AEC-ANL-Tr-8

Sci-Chem
Aug 64

262,920

Polyplumbides, Polystannides and Their Transition
in Metal Phases. Part II. Communication on
Metals and Alloys, by E. Zintl, A. Harder, 41 pp.
GERMAN, per, Z fuer Physikal Chemie, Vol CLIVa,
1931, pp 47-91. 92248248
AEC-ANL-Tr-34

Sci-Chem; Mat & Met
Nov 64

258,726

On the Preparation of Debye-Scherrer Diagrams
of Air-Sensitive Alloys, by E. Zintl, A. Harder,
et al, 5 pp.
GERMAN, per, Z fuer Physikalische Chemie, Vol KCLIVa,
1931, pp 92-96.
AEC-ANL-Tr-37

Sci-Phys
Dec 64

269,935

Concerning the Events in the Solution and
in the Gas Space at the Glow-Light Electrolysis
by Alfons Klemenc, Hans F. Hohn.
GERMAN, per, Zeit fur Physikalische Chemie
Vol CLIVA No 5/6, 1931, pp 385-420.
SLA TT 64-20322

May 67

327,217

The Shape of the Particles in Na Oleate Hydrosols,
By P.A. Theissen and E. Triebel.
GERMAN, per, Zeitschrift fur Physikalische Chemie,
1931, vol. 156A, pp. 309-316.
ATS-59R78G

Chem
Aug 66

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306,643

The Problem of Electrolytic Metal Overpotential,
by T. Erdey-Gruz & M. Volmer.

GERMAN, per, Zeitschrift für Physikalische
Chemie, Vol 4157, No 3/4, 1931, pp 165-181.

RASA TT F-11,512

Sci/Phys
Apr 68

351,418

On the Theory of the Ludwig-Soret Effect, by B. Bruzs,
18 pp.
GERMAN, per, Z fuer Physikalische Chemie,
Vol CLVIIa, 1931, pp 422-434. 922055 3
AEC-Tr-6282

Sci-Phys
Mar 64

252,825

Validity of Lambert-Beer Law for Collodis,
by B. Lange.

GERMAN, per, Z. fuer Physikalische Chemie,
Vol XLIX(a), No 4, 1932, pp 277-284.

CSIRO

Sci - Chem
May 62

196, 427

Distribution Numbers for Hydrogen Fluoride in
the Binary System (H_2O-HF) at $25^{\circ}C$ and the Boil-
ing Point Curve of This System at Atmospheric
Pressure, by Karl Fredenhagen, Marianne Wellmann,
13 pp.

GERMAN, per, Zts. für physikalische Chemie,
Vol CXXIIA, OCT 14, 1932.

S.L.A. Tr 184

EUR - Germany
Scientific - Chemistry

32,875

A Torsion Method for Measuring Very
Low Vapor Pressures, by Kurt Neumann,
Ernst Volker, 14 pp.

GERMAN, per, Z. fur Physikalische Chemie,
Vol CXXI, 1952, pp 39-45. 9069041

ABC Tr-5317

Sol - Phys
Dec 62

217,362

The Electrical Resistance of Palladium Wires
Charged With Hydrogen Between 160° and 310°, by
Hans Bruning, Adolf Sieverts, 33 pp.

GERMAN, per, Z Physik Chem, Vol CLXIIIa, 1933,
pp 409-411.

AEC 3294

Sci - Nuc Phys

Oct 57

707,077

Rechtschreibende Untersuchungen, 1911, 1. Aufl.
Christen und die Vorkommnisse des Christentums.
Die Religiöse Indole des Christen, 1911, 1. Aufl.
H. Grotzsch, 10 p.

GERMANY, near, Zeit für Physik, 1913,
Vol. 1, No 1, pp 16-22.

SLA 59-20830

Sci
Mar 60
Vol 3, No 1

110,884

Contribution to the Knowledge of Manganese Oxides,
by LeBlanc, M. G. Wehner.

GERMAN, per, Z Physik Chem, 1933, Vol 168A, pp 59-78.

*AEC

15 Jun
Sci

Solubilities, Conductivities, and Boiling
Point Elevations of Inorganic and Organic
Compounds in Liquid Hydrogen Fluoride, by
K. Fredenhagen.

GERMAN, per, Zeit Physics and Chem, Vol
CLXIVA No 3/4, 1933, pp 176-200.

RAH Farnborough Tr 551

Sci - Chemistry

31,762

Glow-Light Electrolysis, IV, by
Alfons Klemenec, Hans F. Hohn.
GERMAN, per, Zeit fur Physikalische Chemie,
Vol CLXVIA, 1933, pp 343-356.
SLA TT 64-20324

May 67

327,218

Kinetic Measurements on Strong Concentrated Acids,
by B. Blaser, 19 pp.

GERMAN, per, Z Physik Chem, Vol CLXVIIa, 1934,
pp 441-457.

NOT RELEASABLE TO FOREIGN NATIONALS
CIA/PDD XX-316

Sci - Chem

Jun 57

IAC INTERNAL USE ONLY

49,462

An Optical Method for the Study of Concentration Polarization During Electrolysis,
by A. G. Samarsky, 21 pp.
CHURMAN, per, Zeit Phys Chem, Vol 168A, No 1,
1934, pp 45-58. P911144767
AEC UCHL Tr-10082

326,286

Sci - Materials

The Absorption of Capacity of Solid Cobalt for
Hydrogen and Nitrogen, by A. Sieverts, H. Hagen,
10 pp.

GERMAN, per, Z Physik Chem (Leipzig), Vol CLXIXa,
1934, pp 237-240.

ABC UCHL-Trans-620(L)

Sci - 2 Phys, Chem
Apr 61

149,024

Stackelberg, M. v.
SOLUBILITY OF KRYPTON AND XENON IN LIQUID
OXYGEN. [1962] [13]p. 4 refs.
Order from SLA \$1.60 62-20080

Trans. of Z[schrift für] Physik[ische] Chem[ie],
Leipzig [Germany] 1934, v. 170A, p. 262-272.

DESCRIPTORS: *Liquid oxygen, *Xenon, *Krypton,
Solubility.

The solubilities of solid krypton and xenon in liquid
oxygen have been determined for the temperature range
of 70° to 90°K. The saturation points were obtained
from vapor pressure measurements. It was found that
the actual solubilities were smaller than the solubilities
calculated from the heats of fusion of the rare gases
assuming ideal behavior of the systems. For this
reason, the heats of solution of the rare gases in O₂
(Chemistry--Physical, TT, v. 9, no. 10) (over)

62-20080

I. Stackelberg, M. v.

Office of Technical Services

R-4913-D

On the Theory of Crystallization Velocity,
by R. Kaischew, I. N. Stranski.
GERMAN, per, Z fuer Physik Chem, Vol CLXXa, 1934,
pp 295'299.

*JPRS/Army/CRREL

Sci
Feb 65

63-18972

Staudinger, H. and Heuer, W.
CONNECTIONS BETWEEN SOLVATION, SOLUBILITY,
AND VISCOSITY OF POLYSTYRENES. II. VISCOSITY
MEASUREMENTS, Communication 101 of High-Mole-
cular Compounds. [1963] [49p] (figs omitted) Refs
Order from SLA \$4.60 63-18972

I. Staudinger, H.
II. Heuer, W.
III. Title: Viscosity . . .
IV. Title: High-Molecular . . .

Trans. of Z[schrift für] Physik[ische] Chemie,
Leipzig, (Germany) 1934, v. 171/1, Nov/Dec,
p. 177-180.

DESCRIPTORS: *Styrene plastics, Solubility, Vis-
cosity, Chemical precipitation, Molecular weight,
*Solvents, *Malonic esters, *Benzenes, *Ketones,
*Colloids.

(Materials--Plastics, TT, v. 10, no. 12)

Office of Technical Services

The Electrolytic Dissociation of Heavy Water, by
E. Abel, H. Bratu, O. Redlich, 10 pp.

GERMAN, pt, Z. physik Chem, (A) Vol CLXXIII,
1935, pp 353-384.

05656
AEC Tr 2091

Scientific - Nuclear Physics Mar 55 CTS/DEX

Avail from Associated Technical Serv
(Tr 05050), East Orange, N. J.

22,523

Production of Deuteriobenzene (Benzene-D₆), by
A. Klit, A. Langseth, 17 pp.

GERMAN, per, Z Physik Chem, Vol A CLXXVI, 1936,
pp 65-80.

ABC Tr 3507

Sci - Chem
Feb 59

81,310

Melting-Point Diagrams of Several Binary Systems
of Condensed Cases, by H. Veith, E. Schroder,
8 pp.

GERMAN, per, Z. Physik Chem, Vol CLXXXIXA, 1937,
pp 16-22.

AEC Tr 2629

Sci - Physics

49166

Study of the Theory of Acoustic Waves and
the Umann Method for the Measurement Thereof.
Preliminary Experiments at Higher Temperatures,
Employing This Method, by K. Wohl.

GERMAN, per, Z. fuer Physikalische Chemie,
Vol. CLXXIX, 1937, pp 195-209.

CSIRO

Sci. - Phys
May 62

198, 497

Heteropolar Molecular Colloids. II. Viscosity of
Solutions of Polyacrylic Acid and its Salts. Rep.
On High Polymer Compounds, by Werner Kern.
German, per, Zeitschrift fur Physikalische Chemie,
1938, Vol. 181A
SLA-TT-64-20404

Chem
Aug 66

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305,636

Mampel, Kurt L.
TIME-TRANSFORMATION FORMULAS FOR HETEROGENEOUS REACTIONS AT THE PHASE BOUNDARIES OF SOLIDS. I. THE DEVELOPMENT OF THE MATHEMATICAL METHOD AND DERIVATION OF SURFACE TRANSFORMATION FORMULAS. [1963]
17p 24refs
Order from SLA \$1.60 TT-63-20650

Trans. of [Zeitschrift für Physikalische Chemie, Leipzig (Germany) 1940, v. 187a, p. 43-57].
(Abstract available)

DESCRIPTORS: *Reaction kinetics, Solids, Chemical reactions, Equations, Corrosion, Combustion, Ores (Metal sources), Heat treatment, Dehydration, Phase studies.

The principal conceptions about heterogeneous reaction kinetics are listed. Hitherto, transformation formulas (Chemistry--Physical, TT, v. 11, no. 3) (over)

TT-63-20650

I. Mampel, K. L.
II. Title: Development ...

AEC/LA/TR-71-8

Office of Technical Services

TT-63-20649

Mampel, Kurt L.
TIME-TRANSFORMATION FORMULAS FOR
HETEROGENEOUS REACTIONS AT THE PHASE
BOUNDARIES OF SOLIDS. II. THE TIME-
TRANSFORMATION FORMULAS FOR A POWDER
CONSISTING OF SPHERICAL PARTICLES. [Nov 53]
15p 1ref
Order from SLA \$1.60 TT-63-20649

Trans. of [Zeitschrift für Physikalische Chemie,
Leipzig (Germany) 1940, v. 187a, p. 233-249].
(Abstract available).

DESCRIPTORS: *Reaction kinetics, Solids,
Chemical reactions, Equations, Corrosion, Com-
bustion, Ores (Metal sources), Heat treatment,
Dehydration, Phase studies.

A method developed earlier is used to calculate the
time-transformation formula for a powder consisting
(Chemistry--Physical, TT, v. 11, no. 3) (over)

I. Mampel, K. L.
II. Title: Time ...

AEC/LA/TR-71-9

Office of Technical Services

Näsänen, Reino.
THE POTENTIOMETRIC DETERMINATION OF THE
SOLUBILITY PRODUCT OF MAGNESIUM HYDROX-
IDE. [1962] 14p. 23 refs.
Order from SLA \$1.60

62-18009

Trans. of Zeit[schrift für] Phys[ikalische] Chemie,
Leipzig (Germany) 1941, v. 188A, p. 272-283.

DESCRIPTORS: *Magnesium compounds, *Hydroxides,
Determination, Electrolytic titration, Solubility,
Mathematical analysis.

General equations are deduced which are needed for
the determination of the solubility product from the
maximum change of potential and adapted for the
special case of magnesium hydroxide. The concen-
tration solubility product of magnesium hydroxide is
determined at different contents of KCl. The thermo-
dynamic solubility product as calculated according to
(Chemistry--Analytical, TT, v. 8, no. 9) (over)

62-18009

I. Näsänen, R.

Office of Technical Services

Calculation of Velocity Constants from Experimental
Data, by J. A. Christianson, 8 pp.

HERMAN, par, Z fuer Physikalische Chemie, Vol. CXXXIX(A)
1941, pp 126-130. 909217

0
AEC Tr-5217

Sci - Phys, Chem
407 62

193,708

A Multiplicative Procedure for the Separation
of Gas Mixtures, Especially by the Gravita-
tional Fields, by H. Martán, W. Kuhn, 94 pp.

GERMAN, per, Z. phys Chem., A, Vol CXXXIX,
pp 219-316.

SIA Tr 57-2582
ABC Tr-287

Sci
Aug 58

68,568

REC (LA-tr-71-8) TIME-DEPENDENT CONVERSION
FORMULAS FOR HETEROGENEOUS REACTIONS AT THE IN-
TERFACES OF SOLID BODIES. 1. DEVELOPMENT OF THE
MATHEMATICAL METHOD AND THE DERIVATION OF THE
SURFACE CONVERSION FORMULAS. Mampel, K. L. 10
Translated for Los Alamos Scientific Lab., N. Mex., from 15Z.
Phys. Chem. (Leipzig), A; 187: 43-57(1940). 2014p. 24Dep.
NTIS.

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26chemistry (physical); translations 2707D

28MN-1 29P NSA

REC (LA-tr-71-9) TIME-DEPENDENT CONVERSION
FORMULAS FOR HETEROGENEOUS REACTIONS AT THE
INTERFACES OF SOLID BODIES. 2. TIME-DEPENDENT
CONVERSION FORMULAS FOR A POWDER OF SPHERE-SHAPED
PARTICLES. Mampel, K. I. ¹⁰Translated for Los Alamos
Scientific Lab., N. Mex., from ¹⁵Z. Phys. Chem. (Leipzig), A;
187: 235-40(1940). ²⁰14p. ²⁴Dep. NTIS.

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²⁶chemistry (physical); translations ²⁷07D

²⁸MN-4 ²⁹P NSA

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... .. Vol. 1001A, 1982,
pp 57-110.

... 3911

... - Type

Apr 60

114,735

On the Electrolytic Dissolution of Platinum by
Alternating Currents, by Rudolf Luer, 45 pp.
GERMAN, per, Zeitschrift für Physikalische
Chemie, Vol 111, pp 81-113.
Dept of Navy NIC tr 2619

Sci/Phys
Sep 68

363,191

The Calculation of the Intermolecular Forces in
Organic Compounds, by M. Dunkel.

GERMAN, per, Z Physik Chem ABT, CXXXVIII, No 12,
pp 42-54.

ASLIB-4839

Sol
Aug 58

68,267

Paneth, Fritz and Peters, Kurt.
HELIUM INVESTIGATIONS. III. THE BEHAVIOR OF
HELIUM TOWARD GLASS AND PALLADIUM, AND
THE QUESTION OF HELIUM COMPOUNDS.
1 May 61, 21p. 35 refs.
Order from SLA \$2.60

63-10536

Trans. of Zeitschrift für Physikalische Chemie,
[Leipzig] (Germany) 1928, v. 118, p. 253-269.

DESCRIPTORS: *Helium, Chemical compounds,
*Glass, *Palladium, *Permeability, Temperature,
Separation, Diffusion, Adsorption, Solutions,
Platinum electrodes.

(Chemistry--Physical, TT, v. 10, no. 2)

63-10536

I. Paneth, F.
II. Peters, K.
III. Title: Behavior...

Office of Technical Services

Electrical Conductivity of Ionic Crystals and
in Particular Alkali Halides, by O. Huh.
GERMAN, per, Z. Phys. Chem., 18, 1928,
pp 270-274.
*NES TT 70-57289

Sci-Chem
Aug 70

On Explosion Temperatures of Gas Mixtures at
Different Pressures, by A. B. Sagulin, 13 pp.
GERMAN, per, Zeitschrift für Physikalische
Chemie, Vol 15, No 1/4, 1928, pp 275-292.
BIA TT-64-18895

336,216

Sci
Aug 67

Schumacher, H. J. and Sprenger, G.
THE REACTION BETWEEN NITROGEN PENTOXIDE
AND OZONE, II. 16 Feb 61, 14p. 9 refs.
Order from SLA \$1.60

63-10602

Trans. of Zeitschrift für Physikalische Chemie,
Leipzig (Germany) 1929, v. 28, p. 267-281.

DESCRIPTORS: *Nitrogen compounds, Oxides,
*Ozone, Chemical reactions, Pressure, Photographic
analysis, Decomposition, Oxidation.

The reaction between nitrogen pentoxide and ozone
was investigated in an apparatus which permitted
photographic measurement of the reaction mixture and
at the same time measuring the pressure. The con-
centrations of N_2O_5 and O_3 were varied to the widest
extent ($\text{N}_2\text{O}_5 = 1:120$, $\text{O}_3 = 1:200$). We suc-
ceeded in setting up an equation which represents the
reaction course exactly, and in finding a scheme which
leads to this equation. (Author)

63-10602

I. Schumacher, H. J.
II. Sprenger, G.

(Chemistry--Inorganic,
TT, v. 10, no. 1)
Office of Technical Services

Optical Relations Between Alkali Phospho-Halides
and Complex Salt Solutions, by Hans Fromherz,
Wilhelm Menschick.

GERMAN, per, Zeit Physik Chem, Vol IIIB, 1929,
pp 1-40.

AEC Tr 2703

42,733

Sci - Chemistry
Feb 1957 CRS/dax

X-Ray Analysis of Nitrogen-Bearing Ferrochromium,
by R. Mlix.

GERMAN, per. Zeitschrift Physikalische Chemie, abt. B,
Vol XIX, 1929, pp 237-239.

Brutcher Tr No 315

14,923

Scientific - Min/Metals

\$1.00

Characteristics of the Phases of Transition Elements
in Binary Systems With Boron, Carbon, and Nitrogen,
by G. Hagg, 9 pp.

GERMAN, per, Z Physik Chem, Aft B, Vol VI, 1930,
pp 221-232.

SIA Tr 2291

Sci - Chemistry
Sep 57

52,904

TT-64-10146

Ootuka, Haruo.
HIGHLY DILUTE SODIUM FLAMES, Na-Br₂,
Na-HgBr₂. [1963] [9p]
Order from SLA \$1.10 TT-64-10146

I. Ootuka, H.

Trans. of Zeitschrift für Physikalische Chemie
[Leipzig] (Germany) 1930, v. 78, p. 407-422.

DESCRIPTORS: *Sodium compounds, Bromine,
Mercury compounds, *Jet flames. Light, Intensity.

(Chemistry--Physical, TT, v. 11, no. 5)

Office of Technical Services

Measurement of the Rotatory Dichroism in the
Ultraviolet, by Werner HMY Kuh, E. Braun, 9 pp.

GERMAN, per, Z fuer Physikalische Chemie,
Abt, B, Vol VIII, No 5-6, 1930, pp 645-654.

NIE 4-45-62

.199, 778

Sci - Med

Jun 62

About the Phase Reaction Mechanism in Solid
Compounds: the Diffusion of Au in Ag. by
W. Jost.
GERMAN, per. Z. Phys. Chem. No B9, 1930. pp 73-82.
*NBS TT 70-57531

Sci.-Mat
Aug 70

Investigations of Carbides I. The Crystal
Structure of the MeC_2 Carbides, by M. V. Stachel-
berg.

GERMAN, per, Zeit fur Physik, Chemie 9B, 1930,
pp 437-475. 9203650

AEC/Tr 5486

Sci - Chem

926, 580

Mar 63

Ignition of Detonating Gas by Quartz or
Porcelain at Low Pressures, by Hubert R. Alyea,
P. Haber, 21 pp.

GERMAN, per, Zeitschrift fur Physikalische
Chemie, Vol X, No 3, 1930, pp 193-204.

SLA 60-14078

Sci

QTS, Vol III, No 7

133,081

X-Ray Investigations of Titanium, Zirconium,
Vanadium and Tantalum Hydrides, by Gunnar Hagg, 30 pp.

GERMAN, per, Z Physik Chem, (XIB Vol), 1930-1931,
pp 433-454.

AEC Tr 3509

Sci - Chem
Feb 59

81, 289

41C (UCRL-Trans-10536) 5 ULTRAVIOLET ABSORPTION
OF FLUORIDE. 6 Wartenberg, H. V.; Sprenger, G.; Taylor, J.
10 Translated for Univ. of California Lawrence Radiation Lab.,
Livermore, from 15 Z. Phys. Chem. (Leipzig), B; 8: 61-8(1931).
20 1p. 24 Dep. NTIS.

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26 chemistry (physical); translations 27 07D

28 MN-4 29 P NSA

Agency: Plotting Arsenal

P.O. No. 132-49

R--10300-D

1 May 1969

Title: "Anwendung der Diffusionsgleichung auf die
Theorie der Kettenreaktionen.

Author: Von V. Bursian und V. Sorokin.

Source: Zeitschrift für Physikalische Chemie,
B, Vol. 12. (1931).

pp. 247-267

Language: German.

Special instruction: Please translate & type 1 copy.

The Purification of Metals Through
Vaporization, I, by M. Straumanis, 22pp
GERMAN, per, Z. Phys. Chem. B13, 1931
pp. 316-337.
*NBS TT 70-57840

Sci/mat
Jun 70

The Xenon Lamp, a Light Source for the Farthest
Ultraviolet, by Paul Harteck, F. Oppenheimer, 5 pp.
UNCLASSIFIED

GERMAN, ^rFar, Zeitschrift für Physikalische Chemie,
No 15-16(B), 1932, pp 77-81.

Air Res & Dev Command
Baltimore, MD.

Scientific - Astronomy

T - 818 G L

Mar 54 CTS/DEX

10,642

Explanation of Electrolytic Current in
Amalgam and its Alloys, by C. Wagner, 6 pp.
GERMAN, par, Z. Phys. Chem. B15, 1932,
pp. 347-352.
*KBS TT 70-57856

Sc i/mrt
Jun 70

Diffusion of Velocity of Cu in Au, by W. Jost.
GERMAN, par. 2, Physik. Chem., B16, 1932,
pp 123-128.
*NBS TT 70-57382

Sci-Mat
Aug 70

Oxyketones in Solution, 6 pp.
GERMAN, per, Zeitschrift für Physikalische
Chemie, Leipzig, Vol 163, 1932, pp 213-220.
SLA TT-64-20831

336, 193

Sci
Aug 67

Y
Ignition of Oxhydrogen Gas Through (By) Hydrogen
Atoms, by F. Haber, F. Oppenheimer, 20 pp.

GERMAN, per, Z. f. Physikalische Chemie, Vol XVI,
Section B, 1932, pp 443-459.

CIA/FDD/X-1287

Scientific - Chemistry
CTS/DEX

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DESCRIPTORS: *Minerals, *Magnesium compounds,
Hydroxides, *Dehydration, *Crystal structure, X-ray
diffraction analysis

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III. Lindner, A.

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materials, *Ferrites, Alkaline earth compounds,
Alkali metal compounds, Zinc compounds, Aluminum
compounds, Tin compounds, Lead compounds, Copper
compounds, Antimony compounds, *Manganese com-
pounds, Iron compounds, *Crystal structure.

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ical reactions, Thermochemistry, Addition reactions,
Substitution reaction, *Lighting systems, Design.

A description is given of a strong intensity monochro-
mator. An estimation of the quantum yield from the
bromination of benzene in relation to the wave length,
light intensity, concentration and temperature is given
and a comparison is made with earlier measurements.
A discussion of the thermal and photochemical bromi-
nation is included.
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